

Cytometer Performance Report

Cytometer: FACSCantoII
 Cytometer Name: FACSCantoII
 Serial Number: V33896201821
 Input Device: Carousel
 Tube Loaded Manually: Yes
 Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
 Institution: N/A
 Software: BD FACSDiva 8.0.2
 Date: 06/23/2021 09:05 AM
 Cytometer Baseline: 06/17/2021 09:50 AM
 P/F: Pass

Setup Beads

Bead Product: CST Setup Beads Part #: 910859
 Lot ID: 12757 Expiration Date: 06/30/2022
 Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124483	-1	1.25	124356	1.24
Blue	F	SSC	125000	124224	-1	2.86	124507	2.66
Blue	E	FITC	13131	12784	-3	2.22	294	15.68
Blue	D	PE	24112	23750	-2	1.65	544	10.81
Blue	B	PerCP-Cy5-5	31295	30473	-3	2.91	1011	13.91
Blue	A	PE-Cy7	19939	19872	-1	5.12	531	27.68
Red	C	APC	42122	41621	-2	3.16	1743	11.01
Red	A	APC-Cy7	22340	21775	-3	3.42	812	11.35
Violet	B	V450	7410	7144	-4	3.55	440	12.26
Violet	A	V500	28118	26941	-5	3.12	676	9.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23097	0.93	556	-13	N/A	N/A	Pass
Blue	F	SSC	57968	1.07	511	-1	N/A	N/A	Pass
Blue	E	FITC	53	54.62	480	-7	0.0400	82	Pass
Blue	D	PE	114	36.61	482	-6	0.3915	276	Pass
Blue	B	PerCP-Cy5-5	189	34.30	577	-9	0.0219	72	Pass
Blue	A	PE-Cy7	107	64.38	620	-8	0.0245	1	Pass
Red	C	APC	405	23.67	575	-1	0.0319	297	Pass
Red	A	APC-Cy7	181	26.87	548	-3	0.0068	1108	Pass
Violet	B	V450	62	62.00	449	-4	0.0665	2542	Pass
Violet	A	V500	97	34.48	460	-5	0.0299	1174	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
 Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
 Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
 Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.04	-31.55	1.14
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.54	13.60 - 20.40	N/A	N/A	29.78	30.20	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10531

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments